

## Test Procedure for the Evaluation Board

The following steps detail the basic test procedure for these boards:

### Necessary Equipment:

- 1 20 V Adjustable DC Power Supply
- 1 4 channel Oscilloscope

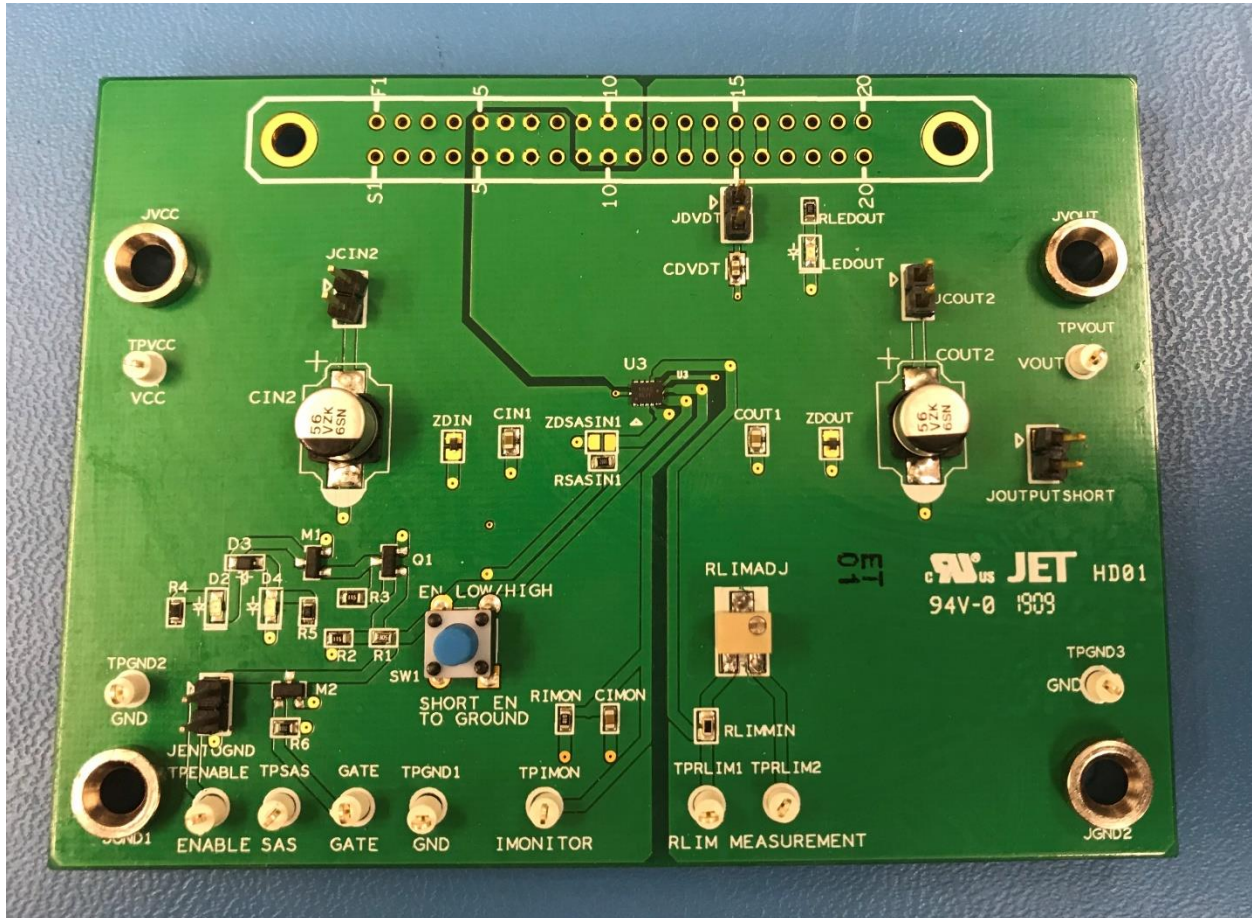


Figure 1: Evaluation Board

### Test Procedure:

During evaluation it is recommended to keep the 56  $\mu$ F input and output capacitors' jumpers engaged.

1. Connect a 3.3 Vdc supply to the input and ground. The output may be connected to a load. Once this is done one green light will be on. This one is for the output voltage.
2. Press the blue pushbutton switch, and notice that the green light turns off and the yellow fault indicator LED turns on. This means that the eFuse is in the off state.
3. There is a potentiometer to adjust the current limit set resistance from 5 k $\Omega$  to 50k $\Omega$ .
4. The output can be shorted in several ways. A jumper may be used (just below the Vout banana connector), or a cable can be connected from Vout to GND.

5. When the short occurs there will be a dynamic event so be sure that the oscilloscope is ready to trigger and that the current probe is set to a high value.
6. End of test